

RIZBERG, I.I.

Introducing business accounting in the workshops of the Loxhvitsa  
Distilling Combine. Fern. i spirt. prom. 30 no.1:30-32 '64.  
(MIRA 17:11)

RIZBERG, I.I.

Processing of the wastes and production resources of the Ukrainian distilleries. Ferm. i spirt. prom. 31 no.6:34-36 '65. (MIRA 18:9)

1. Lokhvitskiy spirtokombinat.

RIZBERG, I.I.

Method of calculating labor productivity. Khar.prom. no.3:49-52  
Jl-S '62. (MIRA 15:8)

1. Lokhvitskiy spirtovoy kombinat.  
(Labor productivity)

YUGO.

RIZDOC, Ibrahim  
BLAZEVIC, Kata

Aus dem Zentralen Medizinsch-chemischen Laboratorium in Zagreb.

Mit 3 Abbildungen.

"Die spektrometrische Bestimmung des Kupfers im Serum"

SOURCE: CHEMICAL SOCIETY, AUSTRIAN - Colloquium of Microanalysis - Vienna  
12 - 17 July 1955, Unclassified

generalization of ordering and magnetization effects in  
transition alloys with hexagonal close-packed lattice.  
Zh. fiz. khim. 49:13 (1975) No 104. (MIRA 17:1)

[illegible]

DANILENKO, V.M.; RIZDVYANETSKIY, D.R.; SMIRNOV, A.A.

Ordering of ferromagnetic alloys with a face-centered cubic  
lattice. Fiz. met. i metalloved. 15 no.2:194-202 F '63.  
(MIRA 16:4)

1. Institut metallofiziki AN UkrSSR.  
(Ferromagnetism) (Crystal lattices)

ACCESSION NR: AP4017402

S/0185/64/009/002/0218/0220

AUTHOR: Rizdv'yanets'ky'y, D. R.

TITLE: Ordering of ferromagnetic alloys with the  $Fe_3Al$  structure (brief note)

SOURCE: Ukrayins'ky'y fizy'chny'y zhurnal, v. 9, no. 2, 1964, 218-220

TOPIC TAGS: magnetization, ordering, lattice ordering,  $Fe_{sub 3} Al$  structure, ferromagnetic alloy, ferromagnetic binary alloy, magnetic super-lattice, phase transformation, ferromagnetic ordering, ordering-magnetization interaction

ABSTRACT: Results are presented of theoretical considerations of the ordering of ferromagnetic binary alloys with the  $Fe_3Al$  structure. The possibility is considered of the formation of two superlattices as a result of the ordering, according to which type A atoms are non-transition metals and type B atoms are transition metals. Each type B atom has one "magnetic" electron (an unpaired 3d electron). It is concluded that the ordering and the magnetization

Card 1/2

ACCESSION NR: AP4017402

are inter-related for lattices with the  $Fe_3Al$  structure. The role of phase transformations is a function of the relationship between the energy parameters of the interacting atoms, and it may be calculated by using numerical methods. Orig. art. has 11 numbered formulas.

ASSOCIATION: Insty\*tut Metalofizy\*ky\*, AN URSR, Kiev (Institute of Metal Physics, AN URSR)

SUBMITTED: 21Aug63

DATE ACQ: 19Mar64

ENCL: 00

SUB CODE: PH, GE

NO REF SOV: 003

OTHER: 002

Card 2/2



RIKOVYANETSKIY, D.R.; SMIRNOV, A.A.

Magnetic elastic scattering of slow neutrons in alloys. Fiz.met. i  
metalloved. 20 no.2:193-198 Ag 1977. (MIRA 18:9)

1. Institut metallofiziki AN UkrSSR.

L 15560-63

EW(1)/EWP(q)/EWT(m)/BDS/ES(s)-2 AFFTC/ASD/SSD

Pt-4 JD

ACCESSION NR: AP3004584

S/0126/63/016/001/0003/0012

AUTHORS: Danilenko, V. M.; Rizdvyanetskiy, D. R.; Smirnov, A. A.

TITLE: Ordering of ferromagnetic and antiferromagnetic alloys A

SOURCE: Fizika metallov i metallovedeniye, v. 16, no. 1, 1963, 3-12

TOPIC TAGS: alloy, ferromagnetic, antiferromagnetic, ordering

ABSTRACT: This is a discussion concerning the development of a statistical theory of atom ordering and magnetization. The theory encompasses both ferromagnetic and antiferromagnetic alloys with cubic space lattice of the type  $\beta$ -brass. Simultaneous consideration of these two alloy types is believed to be important because of the possible existence of ferro- and antiferromagnetic orders of spins in alloys with different metal concentrations. The calculations were limited to binary alloys A-B. It was assumed that each atom of the crystal has one "magnetic" electron. The distribution and correlation of atoms and spins of "magnetic" electrons were disregarded, and the calculations were limited to the interaction of the nearest atoms. The relation between the ordering and magnetization processes was studied, the temperatures of phase transformation

Card 1/2

L 15560-63

ACCESSION NR: AP3004584

processes were determined, and the following relations have been established:  
1) the relation of ordering temperature to alloy composition and to the degree of spontaneous magnetization; and 2) the relation of Curie temperature to the composition and to the degree of ordering of atoms. Orig. art. has: 39 formulas and 2 figures.

ASSOCIATION: Institut metallofiziki AN UkrSSR (Institute of Physical Metallurgy, Academy of Sciences, Ukrainian SSR)

SUBMITTED: 01Feb62

DATE ACQ: 27Aug63

ENCL: 00

SUB CODE: ML

NO REF SOV: 007

OTHER: 003

Card 2/2

S/126/63/015/002/006/033  
E039/E420

AUTHORS: Danilenko, V.M., Rizdvyanetskiy, D.R., Smirnov, A.A.

TITLE: The ordering of ferromagnetic alloys with a face-centered cubic lattice

PERIODICAL: Fizika metallov i metallovedeniye, v.15, no.2, 1963, 194-202

TEXT: The question of the effect of ordering and magnetization in the case of ferromagnetic alloys with a volume centered cubic lattice was studied previously. In this paper an analogous theory of ordering in ferromagnetic binary alloys A-B with a facecentered cubic lattice is developed. It is assumed that the structure of the alloy does not change with temperature and the possibility of disintegration is not taken into account. In addition for each atom of the alloy there must be one 'magnetic' electron responsible for the magnetic properties of the alloy. Correlation between atoms and also the spin of the 'magnetic' electrons is neglected. The free energy of all systems is expressed as the sum of two terms; the free energy of the configuration  $F_1$  (without exchange interactions) and the free energy of the 'magnetic' electrons  $F_2$

$$F = F_1 + F_2$$

Card 1/2

The ordering of ferromagnetic ...

S/126/63/015/002/006/033  
E039/E420

The equilibrium equations of the system are investigated by the use of differential geometry and expressions are derived for the temperatures of magnetization and ordering as a function of composition. The form of the results is largely governed by the value of a term  $\alpha$  which defines the interaction processes in ordering and magnetization

$$\alpha = 2A_{AB} - A_{AA} - A_{BB}$$

where  $A_{AA}$ ,  $A_{BB}$  and  $A_{AB}$  are exchange distances between neighboring atoms A-A, B-B and A-B. When  $\alpha > 0$  magnetization increases the temperature for the order-disorder transition and ordering increases the Curie temperature. The converse is true when  $\alpha < 0$ . Curves showing the concentration dependence of the Curie point in the ordered state at  $\alpha = 0$  are represented by straight lines but when  $\alpha \neq 0$  they deviate from the linear relationship. There are 3 figures.

ASSOCIATION: Institut metallofiziki AN USSR (Institute of Physics of Metals AS UkrSSR)

SUBMITTED: July 21, 1962

Card 2/2

RIZDVIYANETSKIY, D.R. [Riziv'ianets'kyi, D.R.]

Ordering of ferromagnetic alloys with a  $\text{Fe}_3\text{Al}$  type crystal  
lattice. Ukr. Fiz. zhur. 9 no.2:218-220 F<sup>4</sup>64 (MIRA 17:7)

1. Institut metallofiziki AN UkrSSR, Kiyev.

BELOKRYIS, L.S.; RIZDVIANSKIY, K.F.

Age of the clay formation overlying ores in the Nikopol manganese deposit. Izv. vys. ucheb. zav.; geol. i razv. 1 no.8:49-51 Ag '58.  
(MIRA 12:9)

1. Krivorozhskiy gornorudnyy institut. Kafedra obshchey geologii.  
(Nikopol region (Dnepropetrovsk Province)--Clay))

L 56493-65 EWT(m)/EPF(c)/EPR/ENP(t)/ENP(b) Pr-4/Ps-4 IJP(c)/RPL JD/WW/JW/JG

ACCESSION NR: AP5017801

UR/0286/65/000/011/0031/0031  
631.859.13.002.2

28  
28  
B

AUTHOR: Polyak, A. M.; Rize, D. F.

TITLE: A method for producing nitrogen-phosphorous fertilizer. Class 16, No. 171-410

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 31

TOPIC TAGS: fertilizer, nitrogen, phosphorous

ABSTRACT: This Author's Certificate introduces: 1. A method for producing nitrogen-phosphorous fertilizer using simple superphosphate. Concentrated nitrogen-phosphorous fertilizer is produced by ammonium sulfate treatment of a superphosphate suspension and then separating out the gypsum. 2. A modification of this method in which the mono-ammonium phosphate filtrate obtained after gypsum separation is treated with gaseous ammonia after which the potassium fluoride, rare earths and sesquioxides are removed.

Card 1/2



L 56493-65

ACCESSION NR: AP5017801

ASSOCIATION: Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut (Ural Scientific Research Institute of Chemistry)

SUBMITTED: 19Oct64

ENCL: 00

SUB CODE: GC, LS

NO REF SOV: 000

OTHER: 000

gsh  
Card 2/2

RIZEA, A.

Distr: 4E2c(j) 7

Unsaturated polyamides and their copolymers. R. Mi-  
hail, S. Bittman, and A. Rizea (Inst. recherches chim.  
Bucharest, Romania). ~~Polymer Sci.~~ 30, 423-4 (1958)  
(in French).—The polycondensation of 0.4 mole maleic  
anhydride and 1 mole  $(CH_2NH_2)_2$  gave a viscous liquid,  
insol. in  $H_2O$ ,  $PhCH:CH_2$ , or  $AcOCH:CH_2$ , sol. in  $CH_2:$   
 $CHCN$  (I) and  $CH_2:CHCH_2NH_2$  (II). The polyamide was  
copolymerized with I or II, with peroxide catalysts and Co  
naphthenate accelerator. The results obtained with I  
were not consistently uniform. The copolymers can be  
used as ion-exchange resins. The polyamide is a hardening  
agent for epoxy resins. C. E. Feazel.

SB

15

1  
2 may

*[Signature]*

RIZEA, Gh., corespondent

The attendance is improving. Constr Buc 16 no. 755:4  
27 June '64.

CRACIUN, Ion, correspondent; RIZEA, Gheorghe, correspondent

Obligations of the T.R.C., Dobruja. Constr Buc 14 no.676:  
3 22 D'62

RIZEN, G. Ya.

Bee Culture - Equipment and Supplies

Wheelbarrow for moving hives in the apiary. Pchelovodstvo 29 No. 10, 1952.

Monthly List of Russian Accessions Library of Congress, November 1952. Unclassified.

DRUCKER, A.; FUHRMANN, Coloman, ing.; GOMOIU, Alex.; CALUGAREANU, Ad. ing;  
SAVIDIS, C., ing.; TELEA, Gh.; BORCEA, N.; JOGAREANU, O.; RIZEA,  
Nicolae; DUMITRESCU, Gheorghe.

Present problems of labor output rates. Probleme econ 17 no.5:  
157-160 My '64.

1. Director, "Victoria"-Calan Plant (for Drucker). 2. Head of  
the Department of Labor Organization, "Victoria"-Calan Plant (for  
Fuhrmann). 3. Director, "Steaua Rosie" Plant, Bucharest (for  
Gomoiu). 4. Head of the Department of Production Organization,  
"Steaua Rosie" Plant, Bucharest (for Calugareanu). 5. Director,  
Medgidia Cement Works (for Savidis). 6. Head of the Department  
of Labor Organization, Medgidia Cement Works (for Telea). 7.  
Director, Enterprise of Electricity, Sibiu (for Borcea). 8. Head  
of the Department of Labor Organization, Enterprise of Electricity,  
Sibiu (for Jogareanu). 9. Director, "Carmen" State Industrial  
Enterprise, Bucharest (for Rizea). 10. Head of the Department  
of O.N.M., "Carmen" State Industrial Enterprise Bucharest (for  
Dumitrescu).

RIZEN, V.

Pipe materials for geologic and practical water-well drilling. p. 296.

Periodical: NAFTA.

Vol. 9, no. 10, Oct. 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4  
April 1959, Uncl.

RIZENKANTF, G. K. (Prof.)

M. "Obshchaya Ikon Stranitsii Volgi" (Scheme of the development of the Volga). Moscow, 1934.

Soviet Source:

Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information  
Division Report No. 82502; 82503 Unclassified.

82144, 82577, 82578, 82213



RIZENKAMPF, G. K. (PROF)

M: Skhema Rekonstruktsii Volge (Scheme of the development of the Volga) (Moscow - 1934)

Abstracted in USAF "Treasure Island," on file in Library of Congress, Air Information Division, Report No. 77298, 99, 17, 77198, 97, 96, 91, 90, 89, 88, 87, 85, 84, 83, 82, 81, 80.

RIZENKAMPF, Georgii Konstantinovich

RIZENKAMPF, Georgii Konstantinovich....Problemy orosheniia Turkestana ... Moskva,  
[Gosizdat], 1921. 147, (1) p. (Trudy Upravleniia irrigatsionnykh rabot v Turkestane).  
(Vysshii sovet narodnogo khoziaistva. Otdel red.-izdatel'skii).  
CSt-H DCL: Inclass.

SO: LC, Soviet Geography, Part II, 1951, Unclassified

R/009/62/000/012/001/004  
D272/D308

AUTHORS: Iliescu, Pamfil, Rizescu, Corbel and Ursu, Vasile,  
Engineers

TITLE: Observations on the technology of the working and  
casting of high-speed steels

PERIODICAL: Metalurgia și Construcția de Mașini, no. 12, 1962,  
1057-1065

TEXT: A description is given of the working and casting of  
high-speed steels at the '25 August' factory, with reference to the  
studies on which the technological parameters are based. Technologi-  
cal processing of the charges, which employed nonoxidative melting  
and casting, is examined in detail, discussing the faults observed  
in the cast products. The casting structure of the high-speed steels  
and the factors influencing it are examined, considering the duration  
of heating, temperatures of the process, size and cross-section area  
of the ingot, temperature and rate of casting and solidification con-

Card 1/2

Observations on the technology ...

R/009/62/000/012/001/004  
D272/D308

ditions. Conclusion: A very rigorously controlled technological procedure must be established in order to ascertain a constant high quality of the high-speed steels produced. There are 13 figures and 7 tables.

ASSOCIATION: Uzina '23 August' ('23 August' Factory)

Card 2/2

ILIESCU, P.; RIZESCU, C.; URSU, V.

Flocs and some technological methods of preventing their  
appearance in large forged semimanufactured products. Analele  
metalurgie 16 no.3:35-44 J1-S '62.

ILIESCU, Pamfil, ing.; RIZESCU, Cornel, ing.; URSU, Vasile, ing.

Observations on the fatigue breaking of some crankshafts in diesel motors. Metalurgia constr mas 14 no.7:593-599 J1 '62.

1. Uzinele "23 August", Bucuresti.

ILIESCU, Pamfil, ing.; RIZESCU, Cornel, ing.; URSU, Vasile, ing.

Cooling of forged semifinished goods of chromium-nickel-molybdenum steels. Metalurgia constr mas 15 no.2:109-113 F '63.

1. Uzinele "23 August", Bucuresti.

OROS, Gheorghe, ing.; RIZESCU, Cornel, ing.; TUDOSE, Moise, ing.;  
URSU, Vasile, ing.

New technological methods regarding the heating of open-  
hearth furnaces with silica vaults. Metalurgia constr mas  
15 no.6:396-402 Je '63.

1. Uzinele 23 August, Bucuresti.



OROS, Gh., ing.; RIZESCU, G., ing.; TUDOSE, M., ing; URSU, V., ing.

Utilization of nickel oxide in steel alloying. Metalurgia  
constr mas 15 no.8:487-490 Ag '63.

DULAMITA, T., ing.; RIZESCU, C., ing; URSU, V., ing.

Causes of fissuring of the NO6 tool steel. Metalurgia constr  
mas 15 no.8:483-487 Ag '63.

RUMANIA/Solid State Physics - Geometrical Crystallography.

E

Abs Jour : Ref Zhur Fizika, No 2, 1960, 3520

Author : Bercu, S., Kathrein, A., Petrescu, N., Rizescu, C.

Inst : -

Title : News in the Study of the Structure of Alloys by the  
Method of Autoradiography

Orig Pub : Studii si cercetari metalurgie, Acad. RPR, 1958, 3, No 3,  
371-384

Abstract : An attempt is made to show the possibility of disclosing  
the microdistribution of elements in metallic alloys by  
means of autoradiography, and the advantages of this new  
method of investigation are demonstrated by calculations  
and practical considerations. It is emphasized that it  
is possible to determine the composition and consequently  
the real properties of individual micro-objects of the  
metal, and consequently that it is possible to go over  
from average statistical results to a recognition of the  
local properties of the matter.

Card 1/1

- 37 -

RIZESCU, C.

Corrosion of the gray-iron pieces with solders. Studii cerc  
metalurgi 6 no.3: 293-304 '61

REYNOLDS, G.; DRACAN, I.

Research on the possibilities of deforming cast iron with nodular graphite by means of lamination. p. 73.

STUDII SI CERCETARI IN METALURGIE. Bucuresti, Rumania. Vol. 4, no. 1, 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, Sept. 1959.  
Uncl.

RIZESCU, C

Study of the structure of alloys by aid of autoradiography.  
S. Beru, A. Kuthrein, N. Rizescu, and C. Rizescu. *Acad. rep. populare, Romania, Studii cercetari met. si fiz.* 1958.  
To det. the distribution of the alloying elements in steel the following isotopes are used:  $Mn^{54}$ ,  $Cr^{51}$ ,  $Ni^{63}$ ,  $Ni^{60}$ ,  $Mo^{99}$ ,  $Mo^{98}$ ,  $Mo^{96}$ , and  $P^{32}$ . From the autoradiographs the local properties of microregions of a steel can be derived instead of the statistical averages of the values which are valid for the whole macrosample. (See also Werner, J. 1958).

Distr: 4E2c/4E3c/4E3d

DULAMITA, Titi, ing.; RIZESCU, Corneliu, ing.; PANTEA, Valeriu, ing.

Primary thermal treatment of rapid steel for tools. Metalurgia  
constr mas 14 no.10:869-874 0 '62.

1. Uzina "23 August", Bucuresti.

ILIESCU, Pamfil, ing.; RIZESCU, Cornel, ing.; URSU, Vasile, ing.

Observations on the developing and casting technology of  
high-speed steel. Metalurgia constr mas 14 no.12:1057-1065  
D. '62.

1. Uzina "23 August."



COUNTRY : Rumania  
CATEGORIA :

H-28

ANAL. JOUR. : RMKhim., No. 16 1959, No.

58852

AUTHOR : Rizescu, D.

INST. : Not given

TITLE : The Technology of the Drying of Fruits

ORIG. PUB. : Rev Ind Aliment Prod Vegetale, No 9, 19-21 (1958)

ABSTRACT : Proceeding on the basis of the theory of A. V. Lykov on the two stages in the drying of fruits and his formula for the critical moisture content, the author proposes the following conditions for the preservation of the ascorbic acid content of fruits: drying temperature of 65°, relative humidity of the air under 70%, and drying rate below the critical rate.

A. Marin

CARD: 1/1

354

SECRET

SECRET, 1.

SECRET, SECRET, SECRET, to all-12, new-12, Vol 14,  
to 12-12

"No last circulation."

RIKMAN, G. H., 1965.

Importance of achieving an optimum density of plants in sugar-beet culture; from the experience of 1964. Ind alim 16 no.3:143-150, 140. Apr '65.

1. Head of the Agricultural Service, General Directorate of the Sugar, Edible Oil, and Cosmetics Industry, Ministry of the Food Industry.

RESEARCH. Author: DUTZ, Ana, dr.; PORUMBITA, Maria, laboranta

Contribution to the study of the culture of Mycobacterium  
tuberculosis. Microbiologia (Bucur) 10 no.2:169-171 Mr-Apr '65.

1. Lucrare efectata in laboratorul de bacteriologie, Sanatoriul  
de tuberculoza, Balotesti.

RIZESCU, I.

Mist distillation. Rev chimie Min petr 14 no.11/12:693-696  
N-D'63.

ALEKSANDRU, L. [Alexandru, L.]; KOMAN, M. [Coman, M.]; RIZESKU, T.  
[Rizescu, T.]; POPOVICH, A. [Popovici, A.]

Effect of the nature of stabilizers on the stability of polycaprolactam. Khim.volok no.4:4-8 '62. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut khimii, Bukharest, Rumynskaya  
Narodnaya Respublika. (Nylon)

20175 Shchepy Olga Kochovykh ul'ev. Investigatsiya Akad. nauk Latv. SSR, 1949,  
No. 3, s. 117-12. --Na latysh. yaz. --Rezyume na Rus. yaz.

10: Ietopsi' Zhurnal'nykh Statey, Vol. 39, Moskov, 1949

1. P. RIZGA
2. USSR (600)
4. Bee Culture - Equipment and Supplies
7. Use of a queen excluder in efficient apiculture. Latv. PSR Zin. Akad. Vestis no. 9. 1951.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



L 31032-65 EWT(1)/EWT(m)/EPA(s)-2/EPF(c)/EPF(n)-2/T/EPR/EPA(bb)-2 Pr-4/Ps-4 DJ  
 ACCESSION NR: AP5004979 S/0286/65/000/002/0087/0087

AUTHOR: Rizhamadze, G. V.

TITLE: A vertical hermetically sealed centrifugal electric pump. Class 59, No. 36  
 167743 8

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 2, 1965, 87

TOPIC TAGS: centrifugal pump, mercury

ABSTRACT: This Author Certificate presents an upright hermetically sealed centrifugal electric pump assembly for pumping sterile mercury. It consists of a centrifugal pump and shielded electric motor on a common shaft and is designed for pumping of sterile mercury. A chamber is provided in the pump housing by a locked volume of gas, which separates the pump from the motor. A certain amount of play is allowed between the shaft and the bushings (provided with an axial canal and at least one radial canal leading to the upper bushing). A dosage disk in the upper bushing insures the optimal lubrication of the bushings by the mercury which is being pumped.

ASSOCIATION: none

SUBMITTED: 01Mar63

NO REF SOV: 000  
 Card 1/1

ENCL: 00

OTHER: 000

SUB CODE: IE

KAPANADZE, P.I.; RIZHAMADZE, O.K.; CHAKVETADZE, D.I.

Study of the amino acid content of corn. Vop. pit. 22 no.2:  
73-76 Mr-Ap '63. (MIRA 17:2)

1. Iz Nauchno-issledovatel'skogo instituta sanitarii i  
gigieny, Tbilisi.

KHIMALADZE, A.G.; KAPALADZE, P.I.; RIZHANADZE, O.K.

Hygienic evaluation of fruits from plants treated with derivatives  
of dithiocarbamic acid. Vop. pit. 21 no.1:74-77 Ja-F '62. (MIRA 15:2)

1. Iz laboratorii gigiyeny pitaniya Tbilisskogo nauchno-issledovatel'-  
skogo instituta sanitarii i gigiyeny.  
(FRUIT) (CARBAMIC ACID)

L 23878-66 EWT(m)/I/ETC(m)-6 WW/DJ

ACC NR: AP6009928

SOURCE CODE: UR/0413/66/000/004/0121/0122

AUTHOR: Losik, V. I.; Rizhamadze, G. V.; Nevelich, V. V.; Vasil'tsov, E. A.;  
Voronin, N. I.

39  
B

ORG: none

TITLE: A combination ball-hydrostatic thrust bearing.<sup>113</sup> Class 47, No. 179135  
[announced by Leningrad Branch, All-Union Scientific Research and Design Institute of Chemical Machine Building (Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 121-122

TOPIC TAGS: antifriction bearing, ball bearing

ABSTRACT: This Author's Certificate introduces: 1. A combination ball-hydrostatic thrust bearing with upper and lower rings. The lower ring has a chamber for the working fluid and is supported by a roller bearing. In order to improve working conditions and relieve the bearing during operation, the lower ring has internal grooves which form additional chambers connected by channels with the chamber for the working fluid. Inside these grooves are elastic elements fastened to the ring. 2. A modification of this bearing in which the elastic element is made in the form of a spring-return piston. Sliding freely in this piston is a rod which is rigidly fastened in

UDC: 621.822.2-219

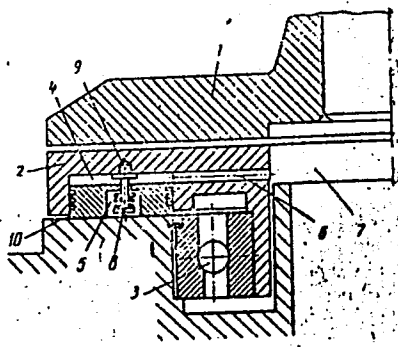
Card 1/2

2

L 21878-66

ACC NR: AP6009928

the upper section of a groove in the lower ring.



1--upper ring; 2--lower ring; 3--roller bearing; 4--chamber for the working fluid; 5--internal grooves; 6--channel; 7--chamber; 8--spring-return piston; 9--rod; 10--stationary surface.

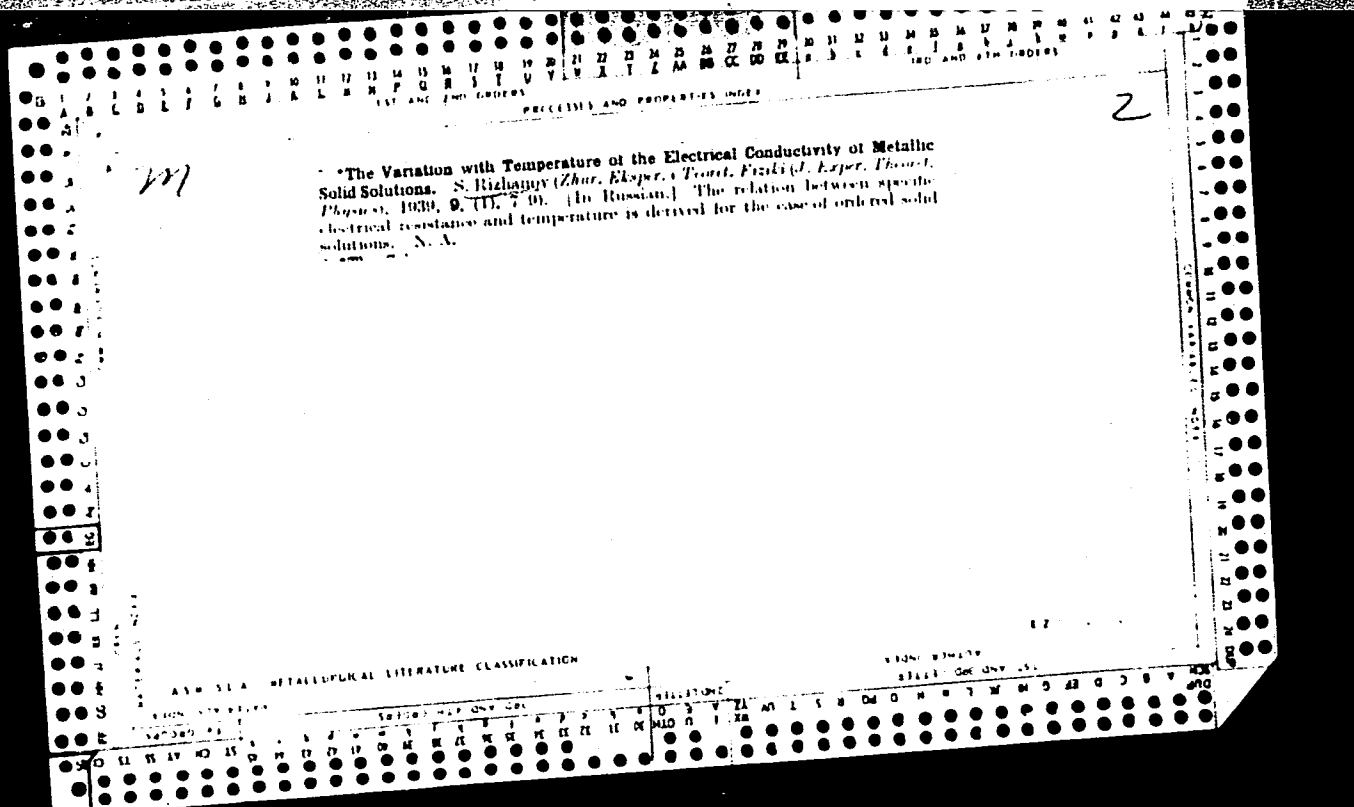
SUB CODE: 13/

SUBM DATE: 29Dec63/

ORIG REF: 000/

OTH REF: 000

Card 2/2 dda



RIZHANOV, S. G.

U S S R .

539,152.1

10418. Application of the Fermi-Thomas method to internal nuclear vibrations. S. G. RIZHANOV, *Zh. eksper. teor. Fiz.*, 26, No. 3, 264-9 (1974) in Russian.  
Hydrodynamical techniques are used to describe density fluctuations in the nucleus. The equation of state is obtained from Fermi-Thomas statistics. In zero-order approximation the density is taken as constant over a sphere and the equations are dealt with for first-order variations in density of dipole and quadrupole types. Surface vibrations are treated briefly.

O. E. BROWN

RIZHANOV, S. G.

PA 13T60

USSR/Films - Photoelectric Properties  
Photoelectric effect

Jan 1947

"The Selective Photoelectric Effect from Extremely  
Thin Films of Alkaline Metals," S. G. Rizhanov, 9 pp

"Zhur Eksp i Teor Fiz" Vol XVII, No 1

Interpretation of the selective photo-effect from  
extremely thin films of alkaline metals by the wave-  
mechanics theory. This theory interprets the phenom-  
enon as the result of the tunnel effect of the elec-  
trons of the film through the potential barrier sur-  
rounding it, which barrier is created by the quantum-  
mechanical effect of electron interaction.

13T60



RIZHENKO, I.A. [Ryzhenko, I.O.]

Range of speeds in workings with a trapezoidal cross section.  
Dop. AN URSR no. 9:951-954 ' 58. (MIRA 11:11)

1. Institut gornogo dela AN USSR. Predstavil akademik AN USSR A.N.  
Shcherban [O.N. Shcherban'].  
(Mine ventilation)

RIZHIKOV, L.

In the Altai's virgin soil. Tr. from the Russian. p. 36.

Vol. 10, no. 6, June 1955  
KOOPERATIVNO ZEMEDELIE  
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

Country : USSR  
Category : Cultivated Plants. Cereals. Leguminous Plants.  
Tropical Cereals. M

Abs Jour : RZhBiol., N<sub>o</sub> 6, 1959, No 24852

Author : Rizhikov, D. P.; Kuz'michov, V. P.  
Inst : Ukrainian Academy of Agricultural Sciences.  
Title : Concerning the Corn Feeding Area in Fields  
Protected by Forest Belts.  
Orig Pub : Vysnik sil's'kogospod. nauky. Ukr. akad. sil's'ko-  
gospod. nauk, 1958, No. 3, 24-26

Abstract : No abstract.

Card : 1/1

GRIGOROVA, E.; RIJIKOVA, S. (Rizhikova, S.)

Microseismic agitation; January-December 1961. Bull  
seismique Sofia 48-60 '61 (publ. '63)

RYABOV, L.I., kand. tekhn. nauk; RIZHINASHVILI, A.M., inzh.

Change of stresses in the elements of the frame due to waves.  
Sudostroenie 30 no.7:14-17 J1 '64. (MIRA 18:9)

RIZHINASHVILI, M.D.

From the history of the Sosnovyi Bor Tuberculosis Sanatorium at  
the Leningrad City Health Department. Probl. tub. 41 no.6:92-94 '63.  
(MIRA 17:9)

RIZHINASHVILI, R.S.

Function of the parotid glands following their partial removal.  
Biul. eksp. biol. i med. 55 no.4:26-28 Ap '63.

(MIRA 17:10)

1. Iz laboratorii patologii vysshey nervnoy deyatel'nosti (zav. - chlen-korrespondent AMN SSSR prof. K.S. Abuladze) fiziologicheskogo otdela imeni Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S. Kupalov) Instituta eksperimental'noy meditsiny (dir. - deystvitel'nyy chlen AMN SSSR D.A. Biryukov) AMN SSSR, Leningrad.

KRISHTAL', O.P. [Kryshtal', O.P.], doktor biol.nauk, otv. red.;  
NIKONCVA, R.S., red.; RIZHKO, V.P. [Ryzhko, V.P.], red.;  
KHOKHANCVSKAYA, T.I. [Khokhanovs'ka, T.I.], tekhn. red.

[Materials for studying the history and natural resources of the  
Kanev Preserve] Materialy do vyvchennia istorii ta pryrody raionu  
Kanivs'koho zapovidnyka. Kyiv, Vyd-vo Kyivs'koho univ., 1962.  
151 p. (MIRA 16:1)

(Kanev Preserve)



RIZHKOV, D.I., tekhnik

Ways of speeding up metalworking. Transp delo 6 no.4:43-44 '54.

1. Gorkovski mekhanichen zavod.

EXCERPTA MEDICA, Sec 5, Vol. 11/8 Gen. Pathology Aug 58

1988. CHANGES APPEARING IN THE LUNGS AND THORACIC CAVITY FOLLOWING PNEUMONECTOMY OR LOBECTOMY (Russian text) - Esipova I. K. and Rzhkov E. V. - ARKH. PATOL. 1957, 19/12 (3-13) Tables 1 Illus. 5

Investigation of 13 cases (11 men and 2 women, aged 21 to 54 yr). Lobectomy or pneumonectomy had been performed in 7 for chronic purulent processes, in 3 for tb, and in 3 for cancer. Five patients survived operation for between 1 and 9 days, one for 7 weeks, 4 from 4 to 8 months, and 3 from 13 to 24 months. In the remaining lung tissue, the capillaries became hyperplastic and protruded into the alveoli; depending on the condition of the heart they either sufficed for the changed circulation or showed hyaline degeneration. Physiological atelectatic alveoli opened and participated in the breathing process, at the same time showing enlargement. Still, no pulmonary emphysema developed, thanks to hypertrophy of the alveolar muscular-elastic elements. The thoracic cavity was reduced by the high level of the diaphragm narrowing of the intercostal spaces, extensive callus formation on the ribs and sclerosis of the parietal pleura. The described alterations in the lung tissue resembled brown induration rather than emphysema (the 2 show a certain external similarity), in that even in a late stage a reserve capacity was still present. This condition is a genuine hypertrophy of the lungs.

Brandt - Berlin (V, 15)

EXCERPTA MEDICA Sec 15 Vol 12/8 Chest Dis. Aug 59

1838. PRIMARY SARCOMA OF THE PULMONARY ARTERY (Russian text) -  
Rizhkov E. V. - ARKH. PATOL. 1958, 20/6 (86-91) illus. 6

A 66-year-old woman was affected by a right-sided pleurisy which was resistant to treatment. A right-sided hemiparesis developed after 4 months and the patient died. A tumour metastasis in the brain was clinically suspected. The autopsy produced a solid node with a diameter of 3 cm. in the area of the internal capsule (no histological description): The right pleural cavity was obliterated by about 1.5 cm. thick whitish tumours. The right lung, about 1.5 cm. removed from the pleura, contained many whitish strands; the pulmonary tissue was atelectatic on the right side and normal on the left side. The tumour was histologically a sarcoma starting from the wall of small arteries. The possibility of a primary pleural tumour is also discussed, but abandoned because 'these tumours do not invade the lung tissue'.

Brandt - Berlin (V, 15, 16)

EXCERPTA MEDICA Sec 15 Vol. 10/9 Chest Diseases Sept 57

2178. RIZHIKOVA E. V. Hosp. 'Medsantrud', Moscow. \*Pulmonary aspergil-  
-tosis with microlithiasis (Russian text) ARKH. PATOL. 1956,  
18/4 (53-56) Illus. 4

Report of a febrile affection of a woman aged 56 years, who received 5.6 million  
units penicillin and 7 g. streptomycin in the course of her illness. Autopsy reveal-  
ed in both lungs a chronic-cirrhotic process, and numerous small abscesses.  
Histological examination allowed the demonstration in the abscesses of numerous  
stratified, Fe-positive microliths, besides Aspergillus fumigatus. Attention is  
drawn to a similar observation by Wätjen, and a short report is given of the opin-  
ion of foreign investigators, according to which the increase of fungus diseases  
may be related to penicillin therapy. In the Soviet literature such reports are  
fairly rare.

Brandt - Berlin (V,15)

SEREDENKO, M.M., doktor ekon. nauk; ALEKSANDROVA, V.P.; KUGUSHEV, M.F. [Kuhushev, M.F.]; SHEVCHENKO, Ya.O.; GLAMAZDA, A.D. [Hlamazda, A.D.]; ZABORSKAYA, Z.M. [Zabors'ka, Z.M.]; KHOTIMCHENKO, M.M. [Khotymchenko, M.M.]; YATSKOV, V.S.; MEDVEDEV, V.M. [Medvediev, V.M.]; CHIRKOV, P.V. [Chyrkov, P.V.]; KHARCHENKO, P.F.; SOTCHENKO, Z.Ya.; PROFATILOVA, L.M. [Profatylova, L.M.]; MAULIN, M.O.; GORELIK, L.Ye. [Horelik, L.IE.]; RIZHKOV, I.I. [Ryzhkov, I.I.]; ZHEREBKIN, G.P. [Zherebkin, H.P.]; KHRAMOV, O.O.; LANDYSH, B.O., red.; ROZENTSVEYG, Ye.N. [Rozentsveih, IE.N.], tekhn. red.

[Economic efficiency of capital investments and the introduction of new machinery in industry] Ekonomichna efektyvnist' kapital'-nykh vkladov i vprovadzhennia novoi tekhniki u promyslovosti. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 260 p. (MIRA 16:2)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky.  
(Capital investments) (Technological innovations)

BARDIYER, F.F.; GORDIYCHUK, A.M.; RIZHKOV, I.I.

Methods for lowering production costs in the Ukrainian industry.  
("The costs of production and how to lower them in the Ukrainian  
industry." Reviewed by F.F. Bardier, A.M. Hordiichuk, I.I. Ryzhkov).  
Visnyk AN URSR 28 no.5:73-76 My '57. (MLRA 10:7)  
(Ukraine--Costs, Industrial)

RIZHILOV, P.

Winner of three medals of honor. Krl.rod. 12 no.2:6-7 F '61.  
(MIRA 14:6)

(Drachenko, Ivan Grigor'evich,)

RIKHINASHVILI, M.D. (Leningrad)

Some problems in the treatment of pulmonary tuberculosis  
patients in the "Sesnovyi Bor" Sanatorium. Probl. tub. 42 no.1:  
88-89 '64. (MIRA 17:8)



USSR/Medicine - Physiology

FD-3378

Card 1/1 Pub. 17 - 2/22

Author : Pronina, N. N., Rizhinashvili, R. S., Tel'peneva, L. P.

Title : Problem of the regulation of hydrophylism of tissues

Periodical : Byul. eksp. biol. i med. 8, 6-9, Aug 1955

Abstract : Little is known of hydrophylism of tissues except in relation to certain diseases. Author experimented on dogs with stomach fistula. Two hours before the investigation a part of the dogs' skin near the spine was shaved and 0.2 ml of physiological solution injected subcutaneously. Resorption of the blister was then observed. The article includes tables showing comparative speed of resorption in normal dogs, after simulated drinks (opened fistula) during novocain anesthesia on one side and none on the other, and after removal of the hypophysis. The latter eliminated reflex activity of the receptors of the gastro-intestinal tract. Authors concluded that hydrophylism of tissues is subject to neuro-humoral regulation and that the hypophysis is the link in the chain of reflex activities. 9 references, 8 USSR, 3 since 1940, tables.

Institution : Chair of Normal Physiology (Head: Docent N. N. Pronina) Severo-Osetinskiy Medical Institute, Dzaudzhikau

Submitted : 22 Aug 1954

RIZHINASHVILI, R.S.

1950. Regulation of the water retention in the tissues. N. N. Promina, R. S. Rizhinashvili, and L. P. Telpenova *Biol. Zh.*, 1955, No. 8, 6-9; *Referat. Zh. Biol.*, 1956, Abstr. No. 78051. —A reflex mechanism conditioning the retention of water in the tissues was discovered in dogs with gastric fistulae in which the intradermal test of McClure and Oldrich was carried out. The sham drinking increased the rate of absorption of saline introduced intradermally. Elimination of cutaneous sensory endings (novocaine) prevented this effect. Humoral factors may also play some rôle. Hypophysectomy increases the hydrophilic ability of the tissues. Hypophysectomy also eliminates the reflex effects on the retention of water in the tissues originating from the gastric receptors. (Russian)

G. FEGLER

RIZHINAZHVILI, B.M., kandidat meditsinskikh nauk; CHINCHALADZE, G.G.

Vision in workers of seed stations in the Georgian S.S.R. Sov.med.  
21 no.4:91-95 Ap '57. (MLBA 10:7)

1. Iz Nauchno-issledovatel'skogo instituta gigiyeny truda i  
professional'nykh zabolevaniy (dir. - prof. G.Z.Pitskhelauri)  
Ministerstva zdavookhraneniya Gruzinskoy SSR.

(VISION

tests in silk worm egg factories)

(INDUSTRIAL HYGIENE

vision tests in silk worm egg factories)

TARASYUK, A. ., NIKHILSKIY, S. A., (LMS)

Gas and Oil Engines

Small capacity engine for agricultural machines. Sel'khoz. mashina no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl.  
2

POLOZHIY, G.N.; RIZHKO, V.P., red.; ZAGNITKO, M.M., tekhn. red.

[Numerical solution of two-dimensional and three-dimensional boundary value problems in mathematical physics and functions of discrete arguments] Chislennoe reshenie dvumernykh i trekhmernykh kraevykh zadach matematicheskoi fiziki i funktsii diskretnogo argumenta. Kiev, Izd-vo Kievskogo univ., 1962. 160 p.

(MIRA 15:7)

(Boundary value problems) (Functions)  
(Mathematical physics)

1. RIZHKOV, D. I.
2. USSR (600)
4. Machine-Shop Practice
7. Vibration damper of striking effect. Stan. i instr. 24 no. 3 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

EXCERPTA MEDICA Sec.7 Vol.12/3 Pediatrics March 58  
~~RIZHOVA-ZENINA A.P.~~

640. SALMONELLOSIS IN EARLY CHILDHOOD (STATISTICS OF THE HOSPITAL No.8 FOR INFECTIOUS DISEASES IN 1955) (Russian text) - Rizhova-Zenina A. P. - PEDIATRIIA 1957, 4 (26-30)

The article deals with the experience with salmonellosis typhimurium. The majority of patients was less than 2 yr. old (81%), and 60% were less than 6 months old. Dystrophy which was present in 43% of the patients and rickets (present in 32%) changed the course of the disease so that it resembled dyspepsia or atypical dysentery. In no patient was the diagnosis correct on admission; hospitalization was late in 50% of cases. Stool cultures were done very frequently (9.5 on the average per patient). Positive cultures were most often found in the 2nd-3rd week (in 58%), less often in the 4th week (in 32.6%). Diarrhoea was present in 90.6% of cases, fever in 85%, anorexia in 54.6%. High fever lasted 1-2 days; after an interval of a few days a new spike of high fever appeared and this repeated itself 3-4

640

times. Grave forms were most frequently seen (86.9%) in cases with a toxic syndrome. Treatment with antibiotics synthomycin and biomycin was only effective if used the first 7 days of the disease.

Najman - Zagreb (L, 7)



*RIZHKOV E. V.*  
EXCERPTA MEDICA Sec 5 Vol 12/2 Gen. Path. Feb 59

548. CHANGES IN THE SOLAR PLEXUS IN PERITONITIS AND INTESTINAL PARALYSIS (Russian text) - Rizhkov E. V. - ARKH. PATOL. 1958, 20/2 (27-33) illus. 5

The solar plexus was studied in 99 autopsies: 54 cases of suppurative peritonitis or 'acute abdomen' without peritonitis (intestinal paralysis), and 45 cases where death had occurred suddenly as the result of cerebral trauma; the latter group served as control cases. In all cases, the post-mortem examination was carried out within 12 hr. after death. In every histological preparation, 15 visual fields were studied, with determination of the total number of cells, the number of neuronophagias, of normal ganglion cells and of cellular shadows. The 'normal' controls showed cells

548

with shrivelled hyperchromatic nuclei, signs of neuronophagia, and degeneration of the myelin fibres. These phenomena were predominantly observed in the peripheral part of the plexus and are regarded as a physiological shedding process, an elimination of used elements. It is therefore important to determine the number of these used elements: in the control material, they represent 1.7-5.2% of the ganglion cells. In peritonitis cases they always represent more than 5%; after only 24 hours they may already amount to 17.6%, with cellular shadows also appearing. When the peritonitis has been present for 6 or 7 days, up to 60.4% altered ganglion cells are found, of which 70.3% are cellular shadows. The cellular alterations occur in three stages: (1) shrivelling of the nucleus; (2) shrivelling of the cell with basophilia and homogenization (dehydration stage); (3) swelling of the cell (hydration stage). In this third stage the nucleus becomes clear, the cellular contours are no longer clear-cut, the satellites penetrate into the cell, and the numbers of neuronophagias and cellular shadows increase. Finally, the solar plexus appears poor in cells. No correlation could be found between the degeneration of the ganglion cells and the type of peritoneal exudate; the degree of the primary stimulus and the duration of its action are decisive.

Brandt - Berlin

*K. Rizhkov E.V.*  
EXCERPTA MEDICA Sec 5 Vol 12/3 Gen. Path. Mar 59

795. PRIMARY SARCOMA OF THE PULMONARY ARTERY (Russian text) -  
Rizhkov E. V. - ARKH. PATOL. 1958, 20/6 (86-91) Illus. 6

A 66-year-old woman was affected by a right-sided pleurisy which was resistant to treatment. A right-sided hemiparesis developed after 4 months and the patient died. A tumour metastasis in the brain was clinically suspected. The autopsy produced a solid node with a diameter of 3 cm. in the area of the internal capsule (no histological description). The right pleural cavity was obliterated by about 1.5 cm. thick whitish tumours. The right lung, about 1.5 cm. removed from the pleura, contained many whitish strands; the pulmonary tissue was atelectatic on the right side and normal on the left side. The tumour was histologically a sarcoma starting from the wall of small arteries. The possibility of a primary pleural tumour is also discussed, but abandoned because 'these tumours do not invade the lung tissue'.

Brandt - Berlin (V. 16)

RIZKOV, I. I.

SEREDENKO, M.M.; GILMAZDA, I.D.; KHOTIMCHENKO, M.M.; SHEVCHENKO, Ya.O.;  
EUDOV, P.Yu.; KHARCHENKO, P.F.; KIRAMOV, O.O.; GURKOVA, V.O.;  
GORELIK, L.Ye.; RIZKOV, I.I.; ZHEREBKIN, G.P.; MIKOLAYEVA, I.V.;  
KOROBKO, V., redaktor; LAPCHENKO, K., tekhnichniy redaktor

[Industry of the Soviet Ukraine during 40 years, 1917-1957]  
Promyslovist' nauchens'koi Ukrainy za 40 rokiv (1917-1957). Kyiv,  
Derzh.vyd-vo polit.lit-ry URSR, 1957. 330 p. (MLA 10:10)

1. Akademiya nauk URSR, Kiyev. Institut ekonomiki.  
(Ukraine--Industries)

Substitution of cherry tree gum for gum arabic. P. RAZUMOV. Farm. Zhur  
1932, 10 - The substitution is suggested for technical and pharmaceutical purposes.  
L. NARANKVICH

ASB 514 METALLURGICAL LITERATURE CLASSIFICATION

RIZHKOV, Ye V

EXCERPTA MEDICA Sec.5 Vol.10/4 Gen.Pathology Apr 57

1223. RIZHKOFF E.V. Hosp. Medsantrud, Moscow. \*A case of bilateral virilizing newgrowth of the adrenals (Russian text) ARKH. PATOL. 1956, 18/3 (79-81) illus. 2

Description of a disease accompanied by hirsutism, virilism and hypertension in a woman aged 46. The adrenal tumours were of the same size on both sides (10 cm. in diameter), of the colour of fish flesh and soft; they compressed the kidneys. There were no metastases. Histological examination showed that the tumours consisted mainly of round cells of a lymphoid nature, with isolated giant cells. Mitoses were frequent, Sudan staining was negative.

Brandt - Berlin

EXCERPTA MEDICA

Sec.5 Vol.10/3 Gen.Pathology Mar 57

807. RIZHKOFF E.V. Hosp. 'Medsantrud', Moscow. \* Pulmonary aspergil-  
losis with microlithiasis (Russian text) ARKH.PATOL. 1956,  
18/4 (53-56) illus. 4

Report of a febrile affection of a woman aged 56 years, who received 5.6 million units penicillin and 7 g. streptomycin in the course of her illness. Autopsy revealed in both lungs a chronic-cirrhotic process, and numerous small abscesses. Histological examination allowed the demonstration in the abscesses of numerous stratified, Fe-positive microliths, besides Aspergillus fumigatus. Attention is drawn to a similar observation by Watjen, and a short report is given of the opinion of foreign investigators, according to which the increase of fungus diseases may be related to penicillin therapy. In the Soviet literature such reports are fairly rare.

Brandt - Berlin (V, 15\*)

*Rizhov, S.*

Category: USSR/General Division. Scientific Institutions.

A-3

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1955, 21336

Author : Rizhov, S.

Inst : not given

Title : Problems of the All-Union Institute of Cotton Growing  
During the 6th 5-Year Plan.

Orig Pub: Kolkhoznoe proiz-vo, 1956, No 6, 18-19

Abstract: The problems of the institute and its experimental stations include the study of cultivation measures in cotton plants, fodder grasses, corn, dzhugar (?), selection and quality testing of these cultivations, protecting them from diseases and blights, the study of yield increases, etc. Each of these basic problems includes a number of themes for scientific work, installing field and vegetative experiments and laboratory researches: the study of methods for increasing soil fertility, the study of agrotechnique in obtaining high yields of cotton, measures

Card : 1/2

-13-

Category: USSR/General Division. Scientific Institutions.

A-3

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1955, 21336

for pre-harvest leaf removal by chemical preparations (endothermal (?), sodium chlorate, etc.), obtaining new types of cotton plants with naturally shedding leaves, etc. In bringing out new types of cotton plants, methods of remote hybridization and direct selection are employed. In the study of measures for protection from diseases and blights on cultivated plants, attention should be paid to the method of prognosis, while taking into account the natural environments of each district. The institute systematically generalizes the experience of leading farms.

Card : 2/2

-14-



GORBAN', I.S.; RIZHOVA, S.M.; SHISHLOVS'KIY, O.A.

Spectral and interference method for the quantitative analysis of  
two- and three-component solutions. Nauk.zap.Kiev.un. 15 no.5:61-66  
56. (MLRA 10:7)  
(Chemistry, Analytic--Quantitative) (Solutions)

RIZHOVA, S. M.

7  
A spectro-interferometric method of quantitative analysis of solutions which contain two or three compounds. I. S. Gorban, S. M. Rizhova, and O. A. Shishlova. *Nauk. Zapiski Khim. Dershav. Ushv. im. T. G. Shevchenko*, 18, No. 6, Zbirnik Fiz. Fak. No. 5, 81-0(1960). A variant of the quant. analysis of liquid mixts. is investigated, as of a soln. of toluene or of 1 or 2 of the xylenes in  $C_6H_6$ , which is based upon the dispersion of light. In this variant one need not measure  $n_D$  for certain wave lengths, but one counts the no. of interference bands, which occur in a certain portion of the spectrum. The accuracy of detg. one component in two- or three-component systems is good enough for plant-control purposes. Werner Jacobson

4  
444-1

1/1

PM

RIZHSKIY, B.I., inzhener

Increasing the production of crushed stone for precast reinforced  
concrete. Stroi. prom. 33 no.5:19-21 My '55. (MLRA 8:6)  
(Precast concrete) (Stone, Crushed)

RIZHSKIY, B.N., inzhener.

Portable grading hopper. Stroi.prom. 32 no.10:40-41 0 '54.  
(Quarries and quarrying) (MLRA 7:11)

USSR / Cultivated Plants. Fruit Trees. Small  
Fruit Trees.

M-7

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73118.

Author : Rizi, Aliko

Inst : Not given.

Title : Perspectives for the Development of Horticulture,  
Viticulture and Vegetable Growing in the People's  
Republic of Albania. (From a Conference Report).

Orig Pub: Mezhdunar. s.-kh. zh., 1957, No 3, 93-98.

Abstract: No abstract.

Card 1/1

124

Rizika, J. Wilford

✓  
The Development of the Aircraft Industry in the Union of Soviet Socialist Republics. J. Wilford Rizika J. R.A.S.  
Mar., 1965, pp. 268-273.

DE  
sent

2000

RIZIKA, J. W.

Aeronautical Technology in the U.S.S.R.  
J. W. Rizika: *Tech. Rev.*, Nov., 1964, p.  
22. Appraisal of developments and re-  
search.

-P.E.-65  
5-6-65

Name: RIZKIN, A.A.  
Title: engineer

Author of book, "Radio Transmitter". This work covers the basic theory and application of transmitters. This book is designed for communication and radio technical institutes, and presupposes a good background in mathematics.

REF: R. F. #17-18, p.95, 1938



*Circuits & Circuit Elements*

*W.E.*

621,394, 627,045, 621,314, 25 2182  
**An Analysis of Three Self-Balancing Phase Inverters.**  
A. A. Rizkin. (*Radiotekhnika*, Moscow, Jan/Feb. 1949,  
Vol. 1, No. 2, P. 79. In Russian.) Comment on 1195 of  
1946 (Wheeler). Rizkin claims that the circuit there  
described was patented by him on 28th May, 1940.

*1998*

RIZKIN, A. A.

SA

B 66  
a

§72. Application of the symbolic method to the analysis of the free state of linear systems. RIZKIN, A. A. *Radlotehnika*, 3 (No. 3) 56-63 (1948) In Russian.—A widely applicable analytical method is shown, based on an extension of the operator method to complex frequencies. The following cases are treated: free oscillations of a single resonance circuit, of two coupled circuits, a vertical conductor and a  $\lambda/4$  line and amplifier with degenerative path. In the last case a strict mathematical analysis is given based on pulse excitation and yielding an integral equation which is shown to coincide with Hurwitz' criterion analytically and with Nyquist's diagram when interpreted graphically. A. L.

RISIKIN, A. A.

"Method of Analyzing Transient Processes in Linear Four-Terminal Networks,"  
Sbornik Trudov LEIS imeni Bonch-Bruyevich, No 6, 1949,